

# HITPOINT

TEL:8862-26013311  
FAX:8862-26013898

NO.4 Lane 505, Zhongzheng Rd., Linkou Shiang, Taipei, Taiwan 24445 . R.O.C

## Magnetic Buzzer PB-12N24M-05TRQ

(RoHS)

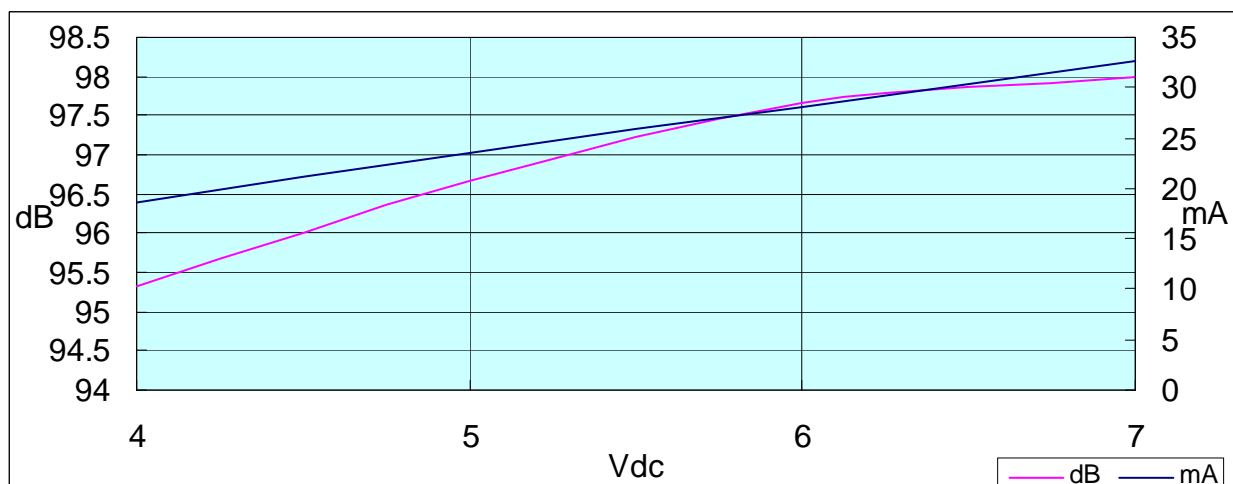
DATE:2009.02.25

### 1 . Electrical Characteristics

VER :.6

Resonant Frequency (Hz)	2400 ± 300
Operating Voltage (Vdc)	4.0 ~ 7.0
Rated Voltage (Vdc)	5.0
Current Consumption (mA/max)	30 at Rated Voltage
Sound Pressure Level (dB/min)	90 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Condition by reflow soldering (°C)	250±5°C / within 5sec
Condition by hand (°C)	350±20°C / within 5sec

### 2 . Voltage/ Current / Sound Pressure





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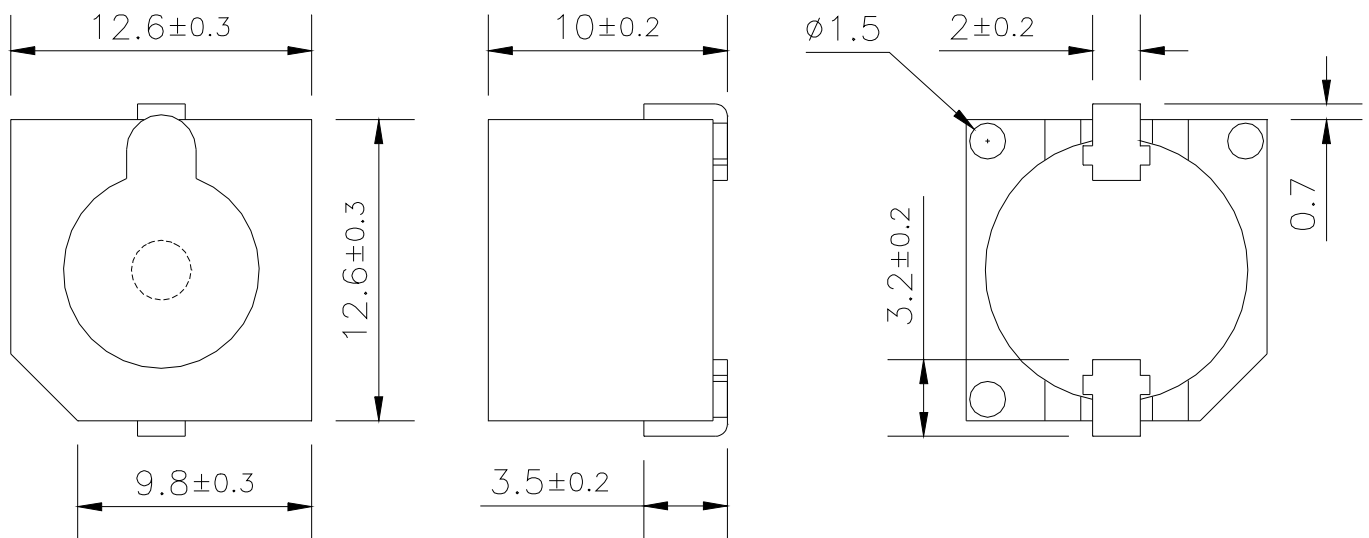
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### 3 . Dimensions and Material

#### 3-1 Shape



Unit : mm

#### 3-2 Material

Housing	PPS plastic resin (Color : Gray)
Type Of Connection Terminals	SMD
Weight (Gram)	2.8



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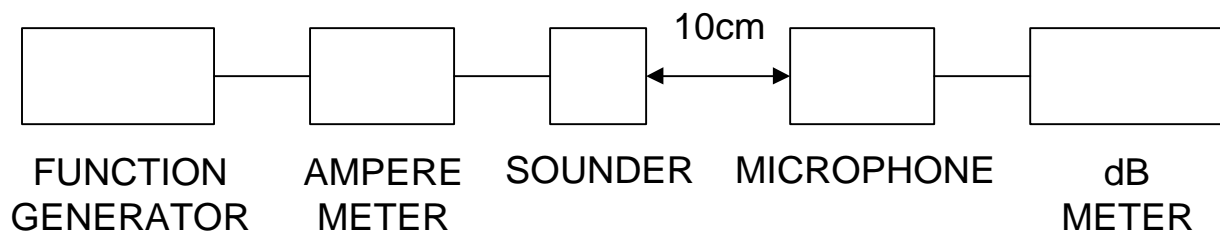
## 4. TESTING METHOD

### · *Standard Measurement conditions*

*Temperature:25±2 °C Humidity:45-60%*

### · *Acoustic Characteristics*

*The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.*





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## 5. RELIABILITY

<b>ITEMS</b>	<b>METHOD OF TEST AND MEASUREMENTS</b>	<b>PERFORMANCE</b>
<i>Coldness withstanding</i>	<i>After 98 hours of being exposed to -30 °C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Hotness withstanding</i>	<i>After 98 hours of being exposed to +80 °C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Humidity withstanding</i>	<i>After 98 hours of being exposed to 40 °C 95%RH environment in actual operation, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Durability</i>	<i>Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</i>
<i>Drop withstanding</i>	<i>A natural drop from 75cm high down to the ground.</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.</i>	<i>No abnormality shall exist</i>

## 6. PACKAGE METHOD

<1>250pcs per reel , Total 8 reels per carton , total 2000pcs carton;

Volume: L\*W\*H=520\*335\*290mm

<2>N . W . : 5.6KGS ; G . W . : 6.8KGS ;

<3 > RoHS Mark: